



IAP6 Rec'd PCT/PTO 07 JUL 2006

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: SUSANNE LEONHARTSBERGER ET AL. - 3 (PCT)
PCT NO.: PCT/EP2003/011486 FILED: OCTOBER 16, 2003
SERIAL NO: 10/530,844 FILED: JUNE 5, 2006
TITLE: FEEDBACK-RESISTANT HOMOSERINE TRANSUCCINYLAES
WITH A MODIFIED C-TERMINAL

RESPONSE TO RESTRICTION REQUIREMENT

MAIL STOP AMENDMENT
Honorable Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to requirement for restriction dated June 5,
2006, Applicant responds as follows:

Election of Species is on page 2 of this paper

Remarks/Arguments begin on Page 4 of this paper.

ELECTION OF SPECIES:

The Examiner required a restriction to one of the following four groups for further prosecution:

Group I: Claims 1-9 are drawn to a homoserine transsuccinylase which as compared to wild-type enzyme exhibits a reduced sensitivity to L-methionine or SAM, said polypeptide exhibits a change of at least 2-10 amino acids between the position 285 and 310 of the enzyme as compared with the wild-type enzyme, encoded by polynucleotide with SEQ ID NO: 1 and coding for the corresponding polypeptide of SEQ ID NO:2, vector, host cell (preferably E. coli) and method of making the polypeptide and the method of making L-methionine or SAM.

Group II: Claims 1-9 are drawn to a homoserine transsuccinylase which as compared to wild-type enzyme exhibits a reduced sensitivity to L-methionine or SAM, said polypeptide exhibits a change of at least 2-10 amino acids between the position 285 and 310 of the enzyme as compared with the wild-type enzyme, encoded by polynucleotide with SEQ ID NO: 7 and coding for the corresponding polypeptide of SEQ ID NO:8, vector, host cell (preferably E. coli) and method of making the polypeptide and the method of making L-methionine or SAM.

Group III: Claims 1-9 are drawn to a homoserine transsuccinylase which as compared to wild-type enzyme exhibits a reduced sensitivity to L-methionine or SAM, said polypeptide exhibits a change of at least 2-10 amino acids between the position 285 and 310 of the enzyme as compared with the wild-type enzyme, encoded by polynucleotide with SEQ ID NO:9, and coding for the corresponding polypeptide of SEQ ID NO:10, vector, host cell (preferably E. coli) and method of making the polypeptide and the method of making L-methionine or SAM.

Group IV: Claims 1-9 are drawn to a homoserine transsuccinylase which as compared to wild-type enzyme exhibits a reduced sensitivity to L-methionine or SAM, said polypeptide exhibits a change of at least 2-10 amino acids between the position 285 and 310 of the enzyme as compared with the wild-type enzyme, encoded by polynucleotide with SEQ ID NO: 11 and coding for the corresponding polypeptide of SEQ ID NO: 12, vector, host cell (preferably E. coli) and method of making the polypeptide and the method of making L-methionine or SAM.

Election: Applicant elects, with traverse the species of Group II for further prosecution.